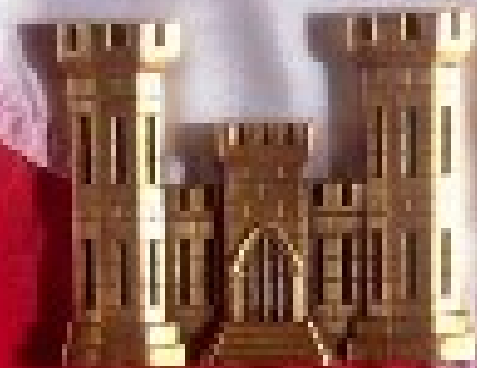


*Presentation to
Acec-il*



by

Gary loss, p.e.

***Deputy for programs & project management,
rock island district, U.S. Army corps of engineers***

September 15, 2005



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U.S. Army Corps of Engineers



The Corps' mission:

- Water Resources Development
- Environment
- Infrastructure
- Disasters
- Warfighting

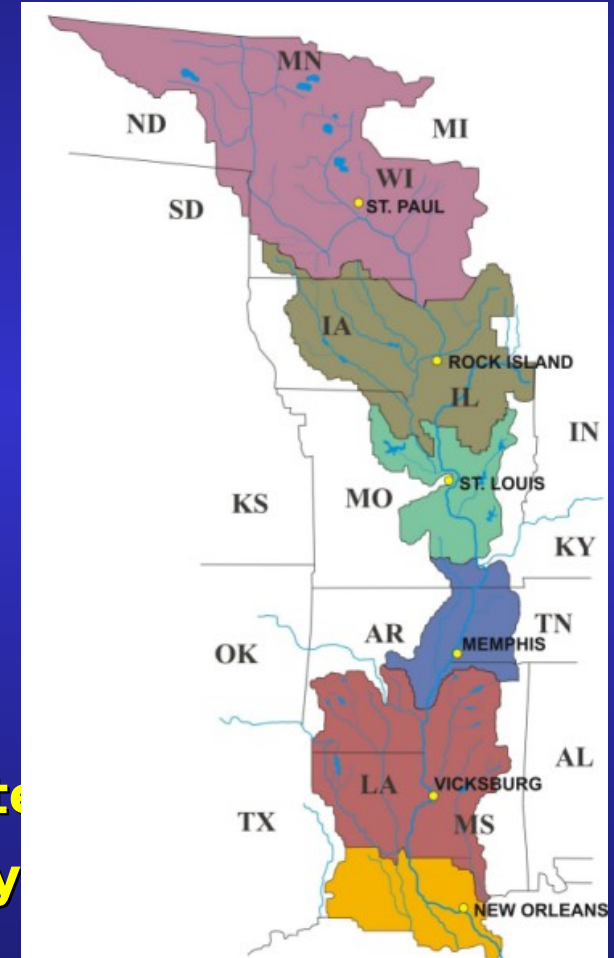


One Team: Relevant, Ready, Responsive and Reliable



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Mississippi Valley Division



- Six districts
- 5,000+ employees
- 370,000 square mile boundary, encompassing all or parts of 12 states
- 4,267 miles of commercial waterway
- 44 flood control lakes/reservoirs

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Rock Island District



- **Primarily a civil works district**
- **78,000 square miles**
- **Portions of 5 states**
- **Operate 582 miles of 9-foot navigation channel**
- **20 lock and dam sites**
- **5 flood control reservoirs**

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FY2006 Budget (X\$1,000)

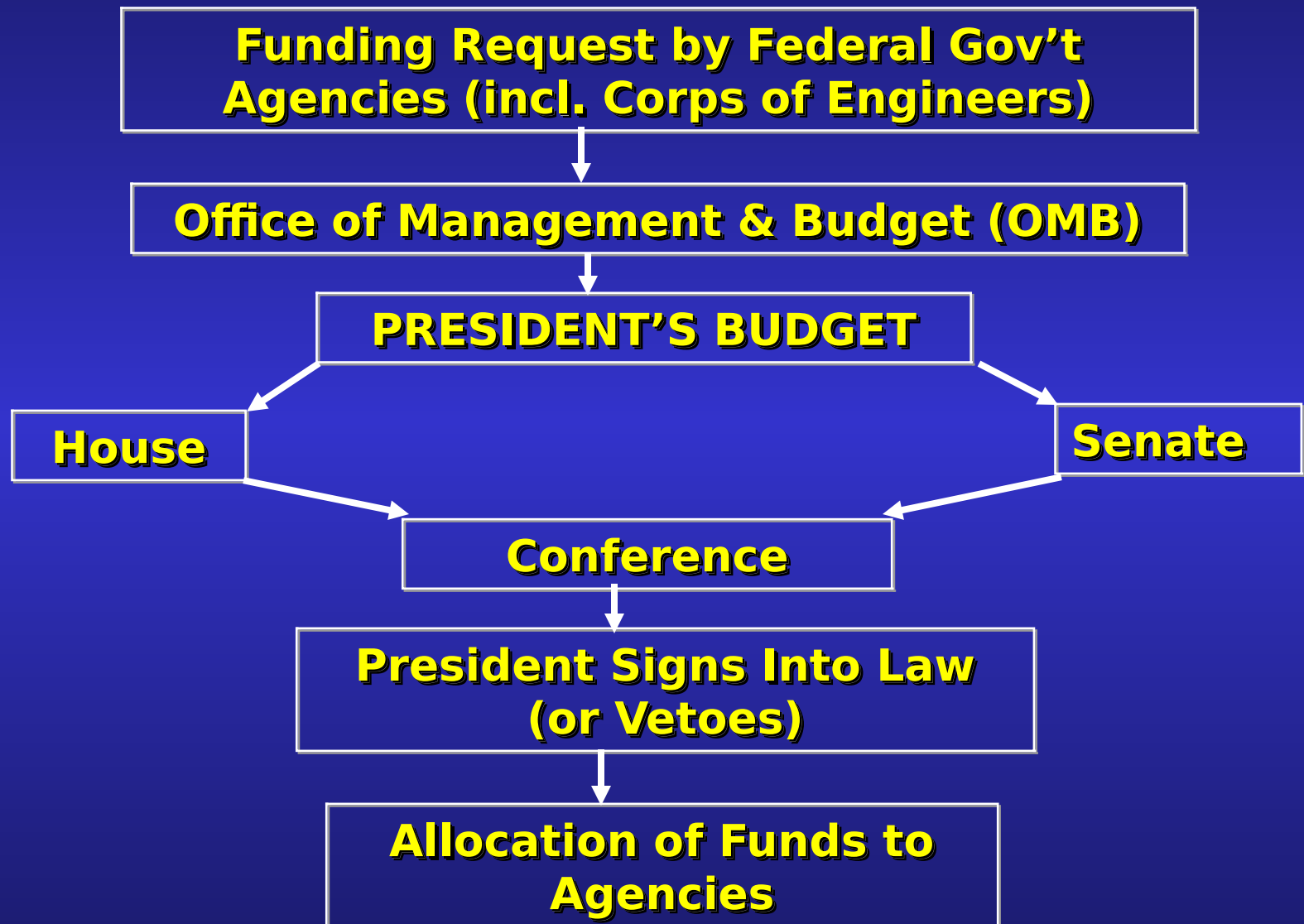
	<u>Pres Budget</u>	<u>House</u>	<u>Senate</u>
General Investigations	\$ 1,812	\$ 2,510	\$23,0
Construction, General	\$63,682	\$68,304	\$54,4
Operat. & Maint.	\$83,186	\$84,501	\$85,736

Notes:

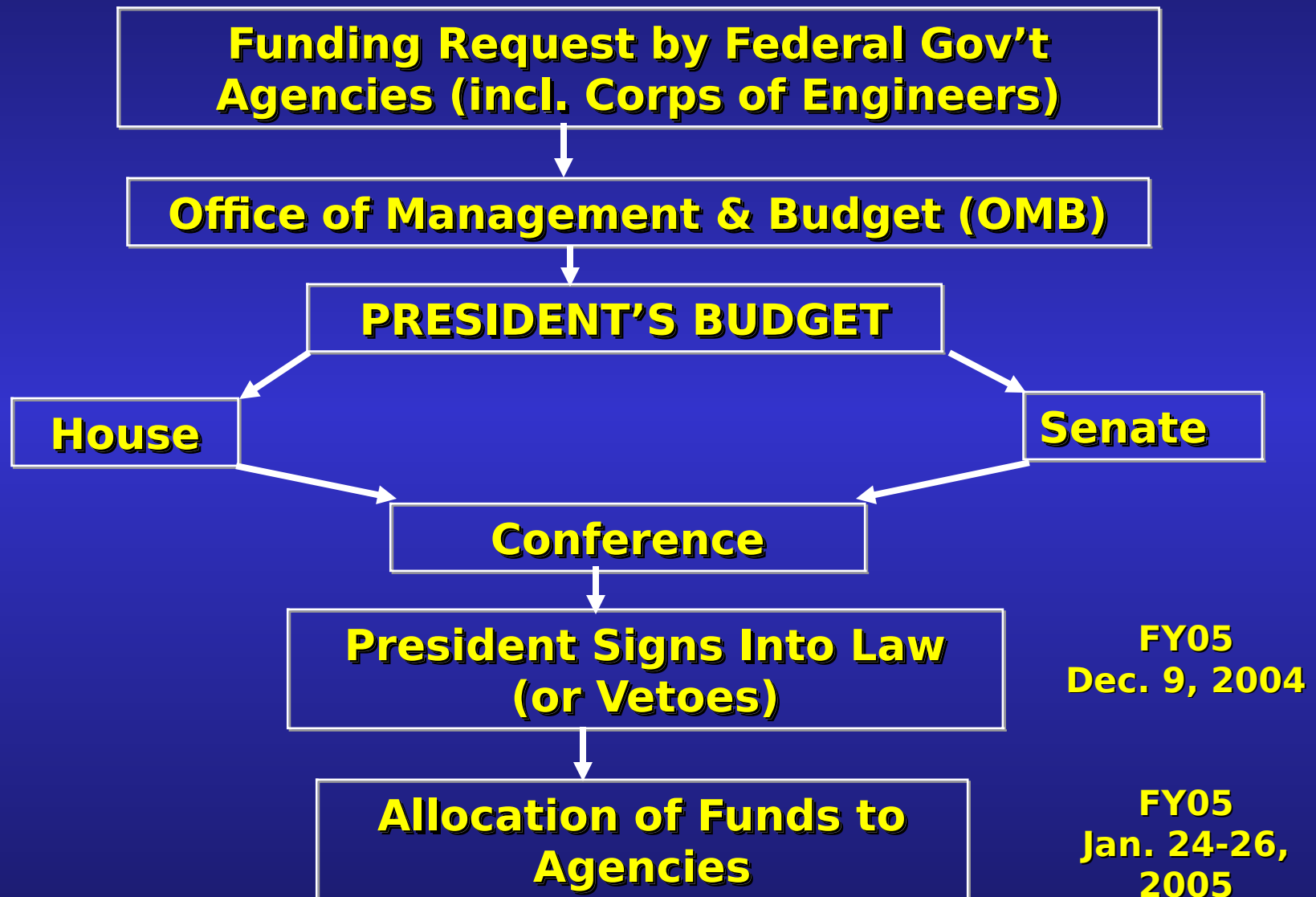
- GI Includes Miscellaneous GI Items
- CG Includes Inland Waterways Trust Fund, Total EMP (3 Districts), and CAP

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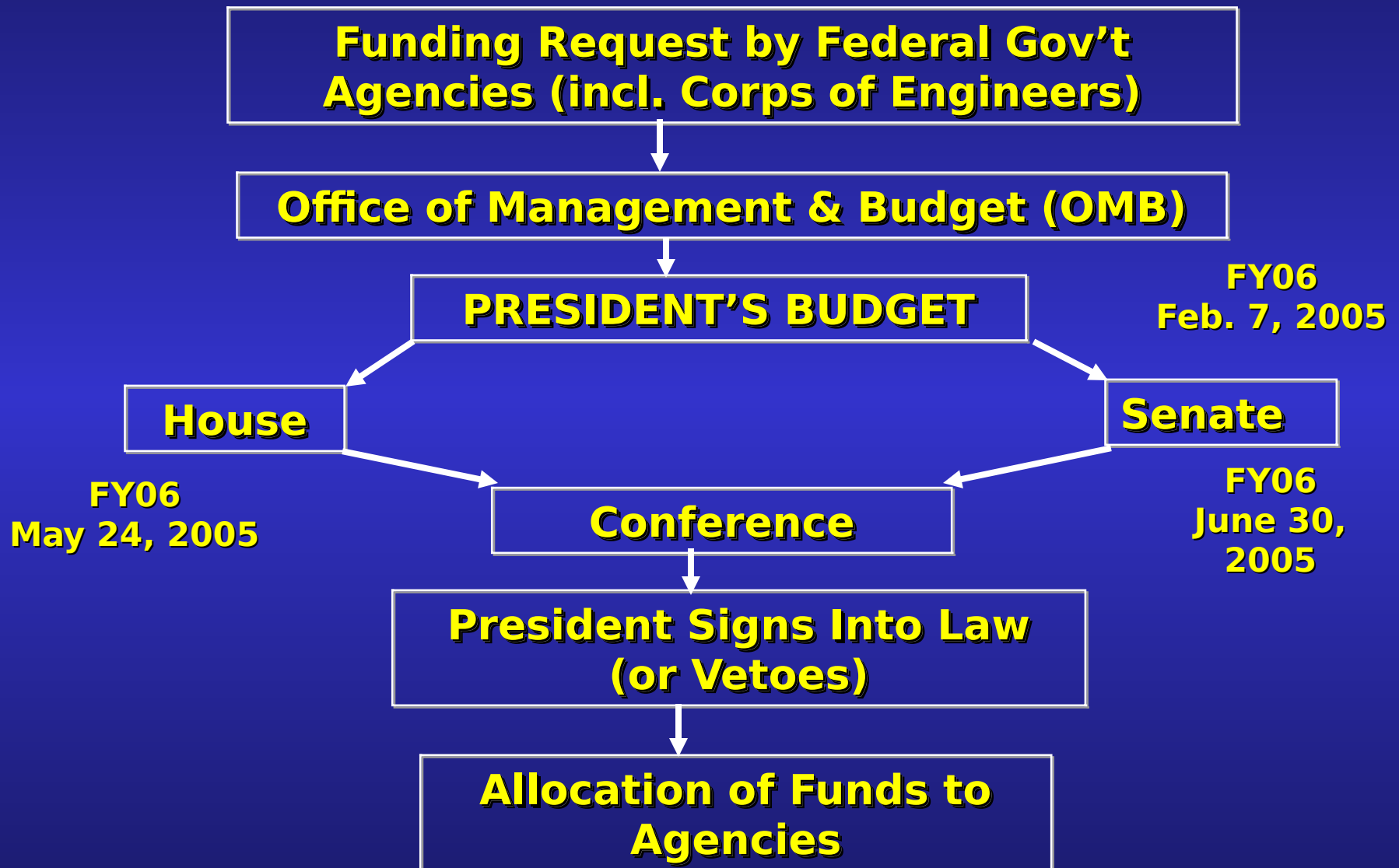
Basic Budget & Appropriations Process



Basic Budget & Appropriations Process



Basic Budget & Appropriations Process





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General Investigations FY 2006 Budget (X\$1,000)



				<u>Pres Budget</u>	<u>House</u>	<u>Sen</u>
• Davenport	\$ 0	\$ 0	\$ 0			
• Des Moines & Raccoon Rivers (PED)				\$ 0	\$ 100	\$
400						
• Clear Lake				\$ 0	\$ 400	\$
0						
• IL River Basin Restoration	\$1,160		\$ 1,160	\$ 1,160		
• IL River Ecosystem Restoration (FEAS)			\$ 350	\$ 350	\$	
350						
• Keith Creek (RECON & FEAS)	\$ 2	\$ 0	\$ 2			
• Peoria Riverfront Dev. (PED)	\$ 0	\$ 0	\$ 250			
• Rock River Basin Ecosystem Rest. (FEAS)		\$ 0	\$ 0	\$	\$	\$
0						
• UMR Comprehensive Plan		\$ 0	\$ 200	\$	\$	\$
500						
• UMR & IL Navigation Study (PED)	\$ 0	\$ 0	\$ 20,000			
• Fourmile Creek, IA	\$ 0	\$ 0	\$ 100			
• Miss. Cl.	N/A	N/A	N/A			

• *Cost Team: Relevant, Ready, Responsive and Reliable*



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Construction, General

FY2006 Budget

(X\$1,000)

	<u>Pres Budget</u>		<u>House</u>		<u>Senate</u>
EMP (3 District Total)	\$33,500	\$33,500	\$33,500	\$20,000	
Lock 19 (MR)*		\$17,502	\$17,502	\$17,502	
Lock 11 (MR)*		\$ 7,580	\$ 7,202	\$ 7,580	
IL River Basin	\$ 0	\$ 0	\$ 0	\$ 0	
Des Moines Greenbelt	\$ 0		\$ 5,000	\$ 3,500	
Davenport	\$ 0	\$ 0	\$ 400		
NESP**	\$ 0	\$ 0	\$ 0	\$ 0	
O'Brien Lock	\$ 0	\$ 0	\$ 0	\$ 0	
Lockport Walls	\$ 0	\$ 0	\$ 0	\$ 0	
Des Moines & Raccoon Rvrs	\$ 0	\$ 0	\$ 0	\$ 0	\$ 400
CAP N/A	N/A	N/A			

* Includes Inland Waterways Trust Fund.

** Requires Construction Authorization.

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Continuing Authorities Program

Sections 1135, 206 & 204

<u>House</u>	<u>Senate</u>	<u>FY06 Need</u>			
Section 1135					
• Big Creek Spillway	\$	0	\$	0	\$ 63,000
Section 206					
• Adams County, Quincy Bay		\$	0	\$	0 \$ 155,000
• Duck Creek	\$	0	\$	0	\$ 322,000
• Emiquon Preserve	\$	0	\$	313,000	\$ 313,000
• Freeborn, MN	\$	0	\$	0	\$ 328,000
• Horicon, WI	\$	0	\$	0	\$ 30,000
• Iowa River/Clear Creek	\$	0	\$	0	\$ 234,000
• Jackson, MN	\$	0	\$	0	\$ 102,000
• Kankakee River (State Line)		\$100,000		\$	0 \$ 100,000
• Kettle Moraine, WI	\$	0	\$	0	\$ 77,000
• Lake Belle View, WI	\$	0	\$	0	\$3,200,000
• Storm Lake	\$100,000	\$	0	\$	100,000
• Token Creek, WI	\$	0	\$	0	\$ 140,000
• Whitebreast Creek	\$	0	\$	0	\$ 571,000
• Windom, WI	\$	0	\$	0	\$ 100,000
• Ventura Marsh	\$165,000		\$	0	\$ 165,000
Section 204					
• Blackhawk Bottoms	\$	0		\$	0 \$ 125,000

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Continuing Authorities Program

Sections 205 & 14

	<u>House</u>	<u>Senate</u>	<u>FY06 Need</u>
Section 205			
• Cedar Rapids, Indian & Dry Run	\$ 0	\$ 0	\$ 100,000
• Cedar Rapids (Time Check)	\$ 0	\$ 300,000	\$ 200,000
• Mason City, Winnebago R.	\$ 0	\$ 0	\$ 60,000
• Muscatine, Mad Creek	\$ 0	\$ 0	\$ 1,500,000
• East Peoria	\$ 3,600,000	\$ 0	\$ 3,600,000
• Utica, Clark Run Creek	\$ 0	\$ 0	\$ 100,000
Section 14			
• Iowa City/Iowa River/Dubuque St.	\$ 0	\$ 0	\$ 230,000
• Keosauqua, Des Moines R.	\$ 0	\$ 0	\$ 60,000
• Monroe Co., Coal Creek	\$ 0	\$ 60,000	\$ 60,000
• Panora, Raccoon R.	\$ 0	\$ 92,000	\$ 92,000
• Roland, Bear Creek	\$ 0	\$ 0	\$ 60,000
• Sac & Fox Tribe, Iowa R.	\$ 0	\$ 378,000	\$ 378,000

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Operations & Maintenance FY2006 Budget (\$1,000)

	<u>Pres Budget</u>	<u>House</u>	<u>Senate</u>
• Mississippi River	\$ 48,107	\$48,107	\$50,407
• IL Waterway	\$ 24,702	\$25,767	\$24,702
• Farm Creek	\$ 214	\$ 214	\$ 214
• Andalusia SBH	\$ 0	\$ 0	\$ 0
• Rock Island SBH	\$ 0	\$ 0	\$ 0
• Savanna SBH	\$ 0	\$ 0	\$ 0
• Saylorville		\$ 3,952	\$ 4,202
\$ 4,202			
• Red Rock	\$ 3,415	\$ 3,415	\$ 3,415
• Coralville	\$ 2,537	\$ 2,537	\$ 2,537
• Davenport SBH	\$ 0	\$ 0	\$ 0
• Inspection of Completed Works	\$ 259	\$ 259	\$ 259
259			

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Status of the

Water Resources Development Act



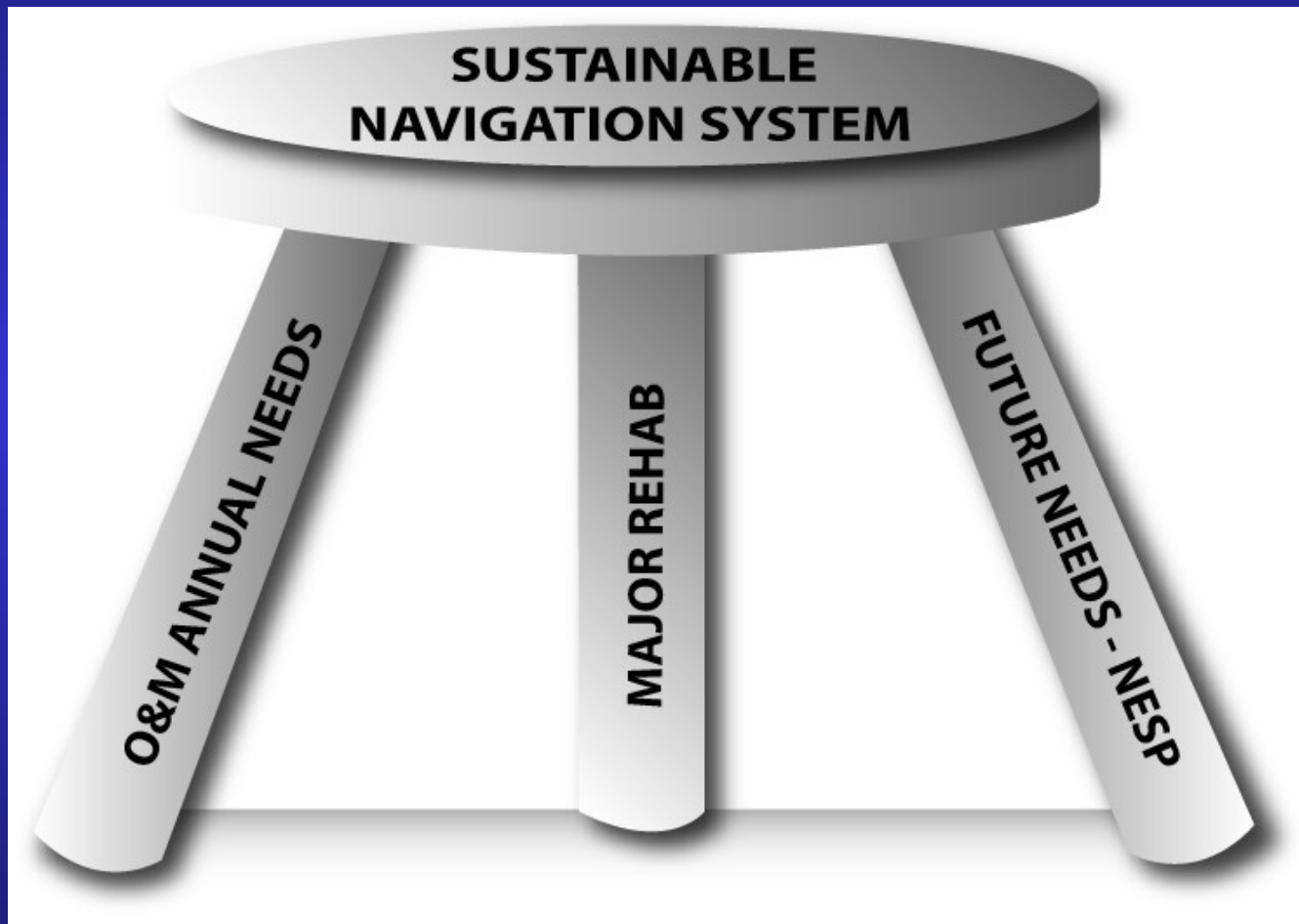
House passed on July 14

Senate Env. & P.W. Comm. passed on July 1

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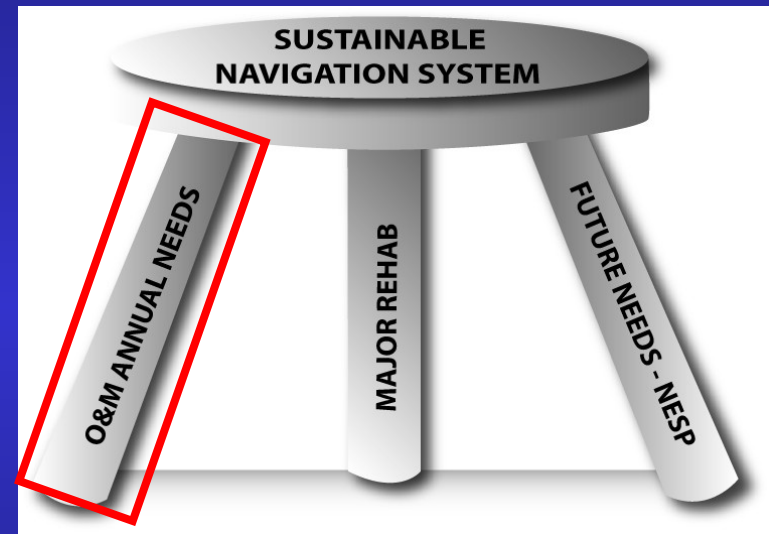
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FY2006 Mississippi River Project President's Budget -- \$48,107K



Additional \$23.85M repair capability:

- Major maintenance at Lock 19 -- \$2.5m
- L/D 18 miter gate replacement -- \$3M
- Major maintenance at L/D 11 -- \$3M
- Checkpost repairs at 3 sites -- \$300K
- Rehab L/D 15 hydropower turbine -- \$450K
- DMMP plans, design, implementation, & maintenance -- \$1.6m
- Dredging -- \$1M
- Dam 18 concrete work -- \$5M
- Repair/rehab L/D 12 (major maintenance) -- \$4M



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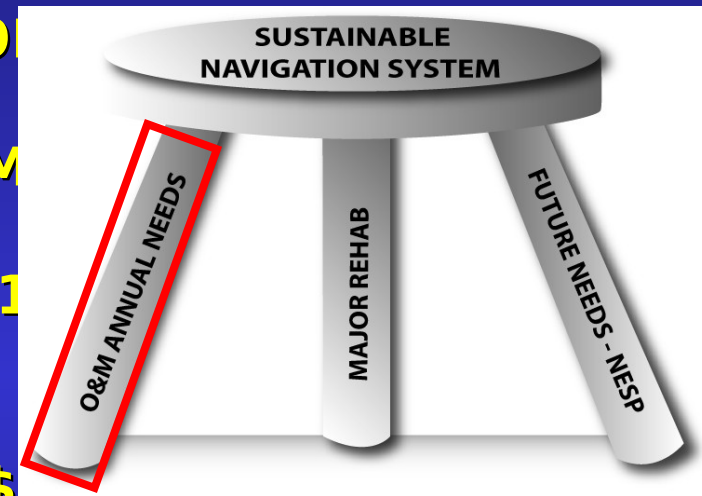
FY2006 Illinois Waterway Project President's Budget -- \$24,702K



Project basic service shortfall of \$3.9M

Additional repair capability of \$10.3M

- Peoria wicket lifter -- \$800K
- Peoria lock hydraulic repairs -- \$3.1M
- DMMP plans & specs -- \$1.5M
- Dredging -- \$1M
- Lockport approach dike repairs -- \$1.1M
- Major maintenance at O'Brien & Lockport locks -- \$700K
- Lucas Berg CDF EIS -- \$100K
- Interim security measures -- \$1.5M





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Saylorville Lake

President's Budget -- \$3,952K



Project basic service level shortfall of \$871K.

- **Barrier dam pump replacement -- \$800K**
- **Marina boat ramp replacement - \$865K**
- **Neal Smith Trail repairs -- \$3.6M**



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Lake Red Rock

President's Budget -- \$3,415K



Project basic service level shortfall of \$864K.

- **Bulkhead design & procurement -- \$1M**
- **Rim erosion repairs -- \$250K**



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Coralville Lake

President's Budget -- \$2,537K



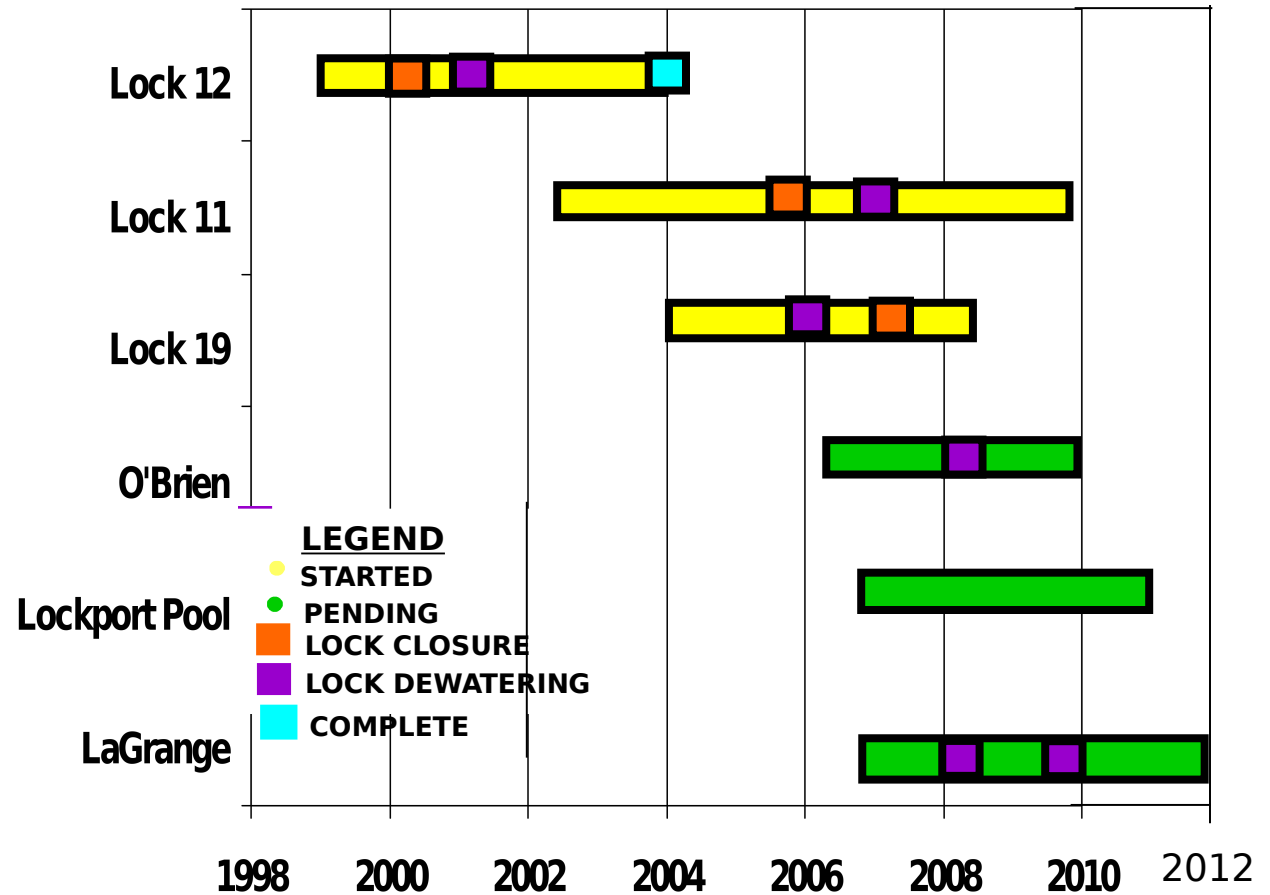
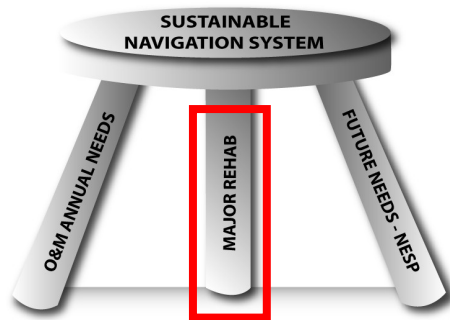
Project basic service level shortfall of \$1.2M.

- **Erosion repair at Tailwater East -- \$200K**



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Current Major Rehabilitations Upper Mississippi River & Illinois Waterway



L&D 11 Rehab Cycle
Extended Due to
Funding Constraints.



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Lock & Dam 11 Dubuque, Iowa



- **FY02 new start**
- **Major rehab - \$26M CG/TF**
- **Major maint. - \$16M O&M**
- **Stage I (scour) completed,**
- **Stage II lock award - Aug. 05**
- **FY05 funding levels**
 - **Stage II**
 - ◆ **FY05 CG/TF - \$1.2M**
 - ◆ **Fy06 CG/TF - \$7.58M**
 - ◆ **FY07 CG/TF - \$21M needed**
 - **Stage III - \$12M with schedule based on stage II progress**



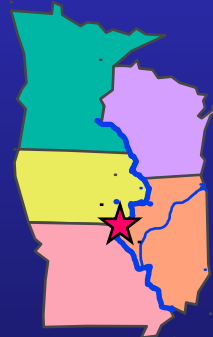
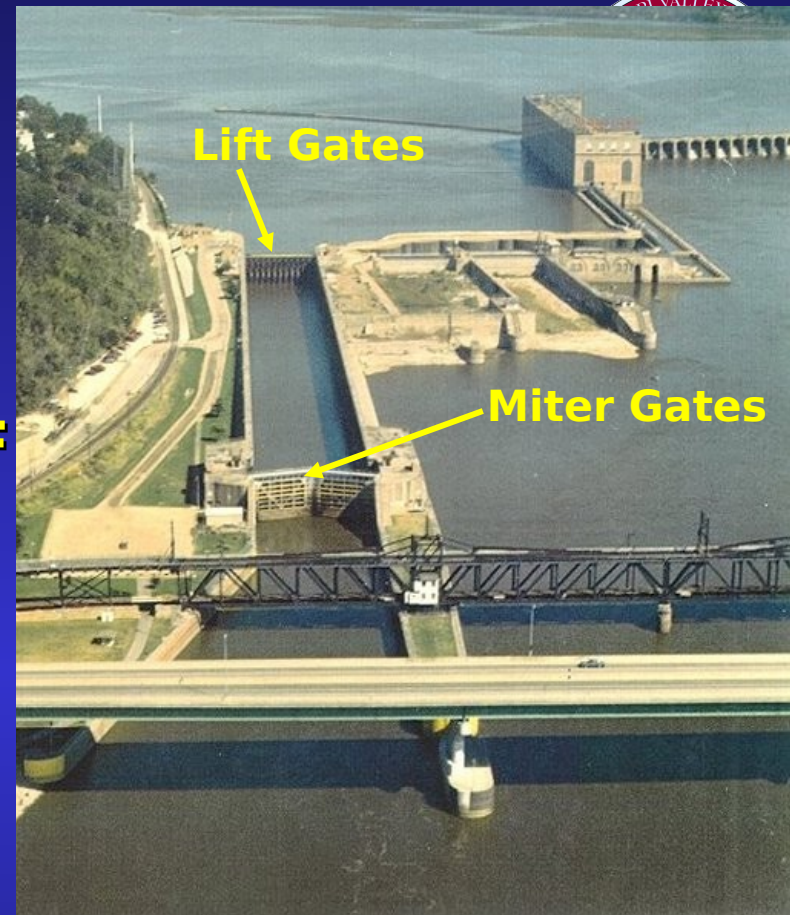


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Lock 19

Keokuk, Iowa

- **FY03 new start**
- **Major rehab - \$21M CG/TF**
 - **\$51M w/ lock concrete**
- **Major maint. - \$1M O&M**
- **Staging of work**
 - **Stage I - lift gate repairs**
 - **Stage II - miter gates, machinery & electrical replacements**
 - ◆ **FY05 CG/TF - \$4.8M**
 - ◆ **FY06 CG/TF - \$17.5M**
 - ◆ **FY07 CG/TF - \$8.5M needed**





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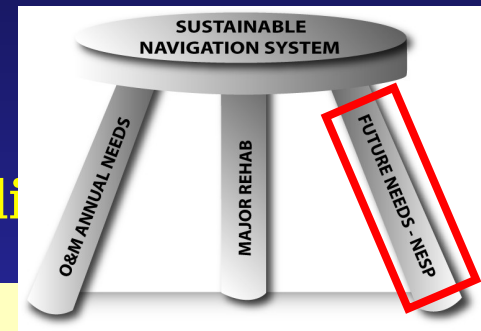
Environmental Programs on the Illinois River



- **Navigation & Ecosystem Sustainability Program (awaiting authorization)**
- **Illinois River Ecosystem Restoration**
- **Illinois River Basin Restoration**
- **Peoria Riverfront**
- **Environmental Management Program**

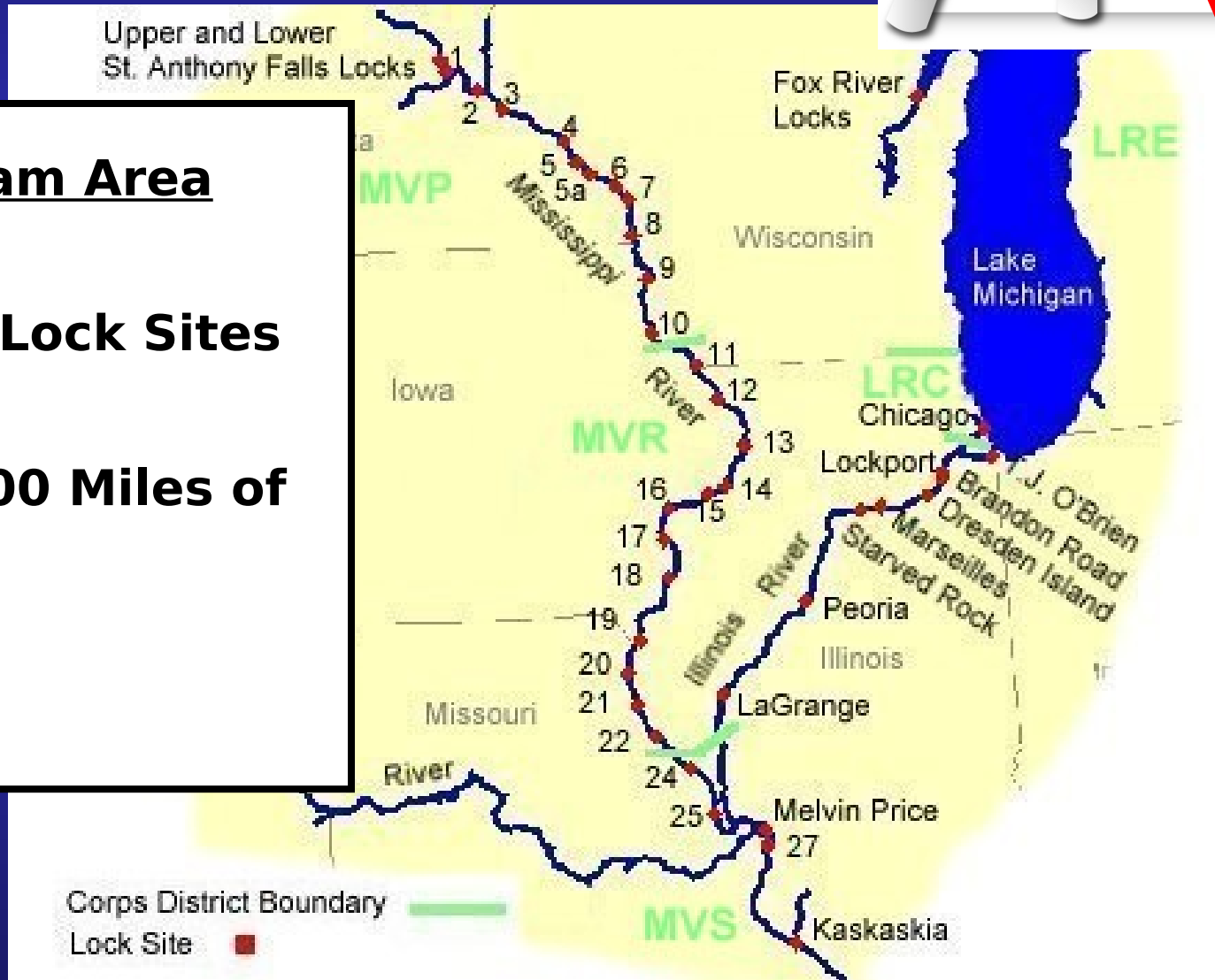
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Upper Mississippi River-Illinois Waterway System Navigation Study Now: Navigation & Ecosystem Sustainability



Program Area

- 37 Lock Sites
- 1,200 Miles of River





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Scope Of Study

Focus on authorized federal navigation projects & the ecological & floodplain resources that are affected by these projects.

Original study —————→ **Relieve congestion.**
(1993-2000)

**Restructure
d study**
(2001-2004)

————→ **Relieve congestion.**

————→ **Achieve environmental
sustainable system.**

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STUDY VISION

“To seek long-term sustainability of the economic uses and ecological integrity of the Upper Mississippi River System”



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FY05 Implementation Plan

- **Work allowance \$11.3M (Congressional Add)**
- **32 new projects**
- **Programmatic projects (5) \$1.9M**
- **Navigation efficiency projects (8) \$4.8M**
- **Primary activities focused on:**
 - Decision documents (planning)**
 - Engineering and design**
 - Collection of pre-project monitoring data**
 - Site specific evaluations**
 - Public meetings**



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Recommended Navigation Efficiency Improvements

\$2.03 Billion in first 15 years (CG/IWTF)

- **Mooring facilities @ locks 12, 14, 18, 20, 22, 24 & LaGrange***
- **Switchboats @ locks 20-25***
- **Adaptive implementation of 1200' chambers at locks 20-25 (22*, 25*), LaGrange* & Peoria**
- **Mitigation for site specific & system effects**
- **Continued study & monitoring* Initiate in FY05**



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Ecosystem Restoration Implementation



\$1.58 Billion In First 15 Years

- **Fish passage @ dams 4, 8, 22* & 26***
- **Changes in water level control @ dams 25 and 16 (25*)**
- **Adaptive implementation of 225 small projects of less than \$25 million each**
 - Island building***
 - Water level management***
 - Backwater/side channel restoration***
 - Wing dam/dike alterations***
 - Island shoreline protection***
- **35,000 acres of floodplain restoration*** **Initiate in FY05**
- **Continued study & monitoring**

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Upper Mississippi River-Illinois Waterway System Navigation Study Now: Navigation & Ecosystem Sustainability Program

Authorization Status:

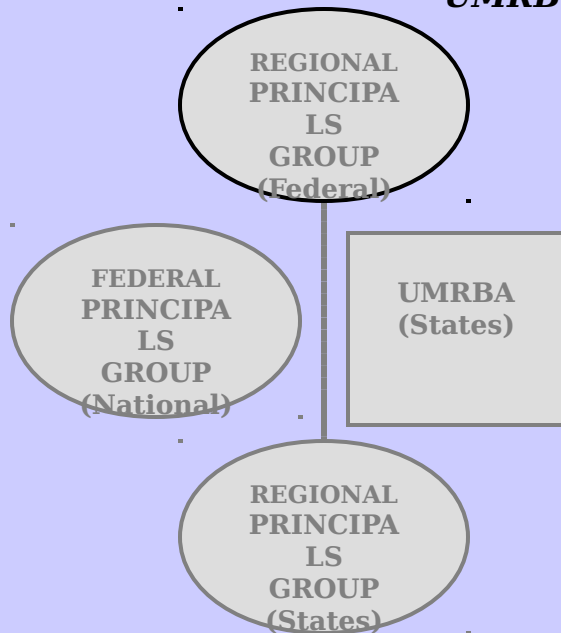
- **House & Senate WRDA language both authorize construction of navigation improvements & ecosystem restoration.**

FY06 Appropriations Status:

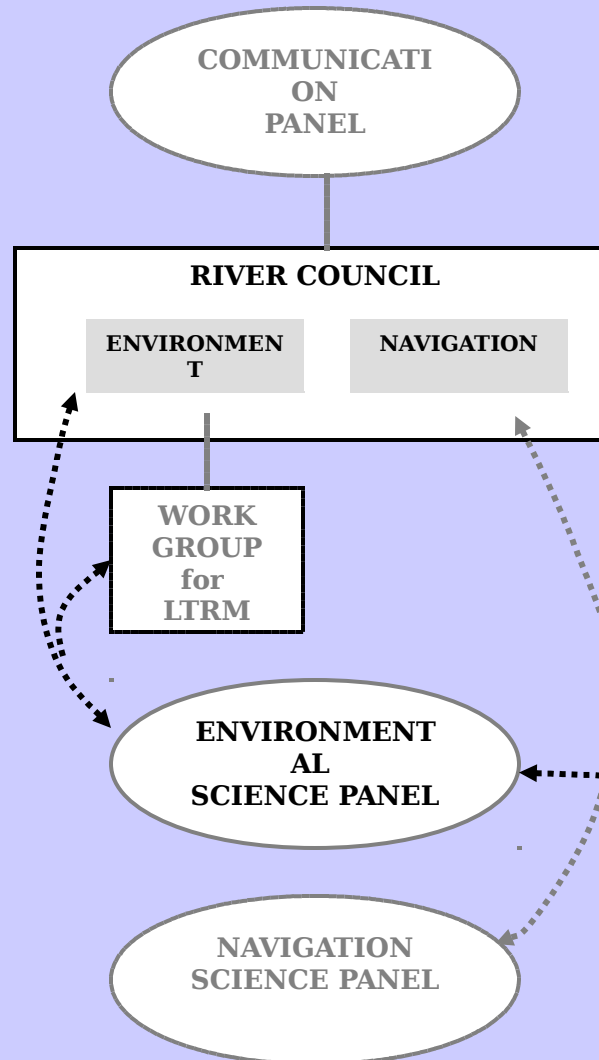
- **Senate version has \$20M to continue work in FY06.**

Collaboration by National Leaders Concerning the Upper Mississippi River Basin (UMRB) ...

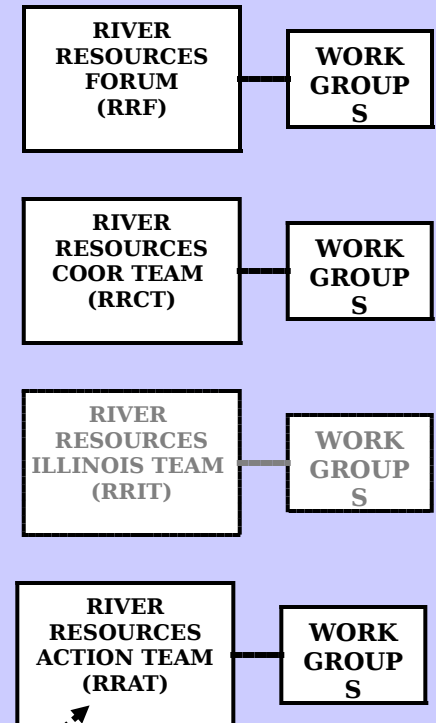
Collaboration by Regional Leaders Concerning the UMRB...



UMRS System Planning ... Operational Level



UMRS Reach Planning ... Operational Level



Information is shared among components of institutional arrangements.

Connecting lines represent communication channels, not lines of authority.



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Illinois River Basin Rest. Recommendations

- **Time extension & funding authority increase not required**
- **Federal per project limit be increased from \$5M to \$20M**
- **Technologies & innovative approaches component authorized**
- **Coop agreements between Corps of Engineers & state, U of I , and units of local government**
- **Cooperative agreements with NRCS**
- **NGOs added as potential sponsors**
- **Report to Congress every 6 years**



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Illinois River Basin Restoration, Section 519



Authorization - WRDA 2005:

House

- **Extends Authorization thru 2010**
- **In-Kind limited to “not more than 5 years before the date of initiation of the project . . .”**
- **Allows nonprofit entities to serve as sponsors and calls for development of a monitoring program that incorporates State of Illinois data.**

Senate - No Mention of Illinois River Basin

Neither include text on Cooperative Agreements with the State of Illinois or Increase in the Per Project Federal limit from \$5 million to \$20 million.



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Illinois River Basin Restoration, Section 519



FY06 Energy & Water Development Appropriations Markups:

- **General Investigations: Complete Comp. Plan & feasibility efforts on critical restoration projects**

House \$1,160K

Senate \$1,160K

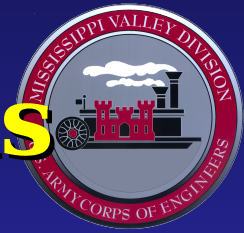
- **Construction, General: Funding for design & construction of Peoria Lake-Upper Island, Pekin Lake Upper & Lower Units), & Waubonsie**

House \$0

Senate \$0



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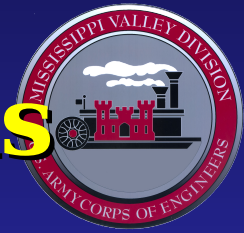


Peoria Riverfront -- Islands

- **Authority: Upper island to be constructed under Section 519 authority. For the lower islands, separate authorization is needed since costs exceed \$5M.**



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Peoria Riverfront -- Islands

Authorization - WRDA 2005:

- Both House and Senate versions address all authorization needs for construction of islands at a cost of \$16M.

Appropriation

- Senate language provides funds to continue (\$250K GI).



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Current A/E Contracts



Contractor	Disciplines	Award Date	Expiration Date
Stanley INCA Joint Venture	Civil, Structural, Architectural, Geotechnical, Mechanical, Electrical	28 Jul 2004	27 Jul 2007
Hanson Professional Services	Geotechnical Exploration, Environmental Investigation (HTRW), Survey	31 Jul 2004	30 Jul 2007
Bergmann Hanson Joint Venture	Civil, Structural, Architectural, Geotechnical, Mechanical, Electrical	16 Jun 2005	15 Jun 2008
Terracon	Geotechnical Exploration, Environmental Investigation (HTRW), Survey	28 Jul 2005	27 Jul 2008

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A/E Contract Awards to Date



Contractor	Annual Capacity	Capacity to Date/Total Capacity	Total Awards to Date	% of Capacity to Date
Stanley INCA JV	\$1 Million	\$2 Million \$3 Million	\$ 1,026,662.94	51.33%
Hanson Professional Services	\$250 k	\$500 k \$750 k	\$ 291,777.77	58.36%
Bergmann Hanson Joint Venture	\$1 Million	\$1 Million \$3 Million	\$ 138,760.18	13.88%
Terracon	\$250 k	\$250 k \$750 k	\$ 0	0%

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Upcoming contracts



3 Pending Contracts:

- 1) Environmental Learning Center (FFP)-- \$300k with Options to \$5M. Negotiations completed, firm name not released. Award pending.
- 2) Photogrammetric Mapping (IDIQ)-- \$1M/yr. Small Business set-aside. Selection process complete. Negotiations in process.
- 3) Planning Services and H&H (IDIQ) -- \$1M/yr +/- . Advertisement postponed until further notice.

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Planning Services & H&H IDIQ Contract



- **\$1M Limit possible, Base + 2 Options**
- **Planning: NEPA Documents, Alternative Plan Formulation, Benefit Estimation**
- **Hydraulic & Hydrologic: Stream Flow Data Collection, Water Quality Monitoring, Sediment Transport Analysis**
- ***Advertisement postponed pending budget decisions***

One Team: Relevant, Ready, Responsive and Reliable

Points of Contact

- **District Commander**
Colonel Duane Gapinski
309-794-5249
- **A/E Coordinator**
Joanne Traicoff
309-794-5293
- **Congressional Liaisons**
Larry Jones
309-794-5298
Ron Fournier
309-794-5274
- **Construction**
Mark Hoague, Chief
309-794-5480
- **Contracting**
Rhonda Johanson, Chief
309-794-5312
- **Emergency Management**
Kent Stenmark, Chief
309-794-5325
- **Engineering**
Denny Lundberg, Chief
309-794-5226
- **Operations**
Kenn Shoemaker, Chief
309-794-5501
- **Outreach & Customer Support**
Damon Barati, Acting
309-794-5923
- **Programs & Project Management**
Gary Loss, Chief
309-794-5260
- **Program Management**
Dave Hays
309-794-5220
- **Regulatory**
Dan Johnson, Chief
309-794-5370
- **Small & Disadvantaged Business
Utilization Office**
Doug Davis
309-794-5205

Rock Island District Website: www.mvr.usace.army.mil

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